

Updated

**EAST Search History**

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|---------|--|---|------------------|---------|---------------------|
| L1    | 1868    | 516/90,77,78,88,91,92.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |
| L2    | 931042  | :sol or dispersion   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |
| L3    | 170     | ((stannic adj oxide) with<br>(zirconium adj oxide) or ((ZrO2<br>or "ZrO.sub.2") with (SnO2 or<br>"SnO.sub.2")) with composite<br>with (colloid\$3 or particle or<br>particulate)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |
| L4    | 65      | (alkylamine alkyl\$1amine (alkyl<br>adj amine) isopropylamine<br>isopropyl\$1amine (isopropyl adj<br>amine) diisopropylamine<br>diisopropyl\$1amine (diisopropyl<br>adj amine) propylamine propyl<br>\$1amine (propyl adj amine)<br>npropylamine n\$1propylamine<br>npropyl\$1amine n\$1propyl<br>\$1amine (n adj propylamine)<br>(npropyl adj amine) (n adj propyl<br>\$1amine) (n\$1propyl adj amine)<br>(n adj propyl adj amine)<br>diisobutylamine diisobutyl<br>\$1amine (diisobutyl adj amine) )<br>with ((antimony adj (oxide or<br>pentoxide)) or Sb4O10 or "Sb.<br>sub.4O.sub.10" or Sb2O5 or "Sb.<br>sub.2O.sub.5") with (surface or<br>modif\$3 or coat\$3 or colloid\$3 or<br>particle or particulate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |
| L5    | 848187  | (particle or particulate) with (size<br>or diameter)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |
| L6    | 1043970 | (hydrothermal or heat or<br>temperature) with (treat\$3 or ag<br>\$3)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/04/11<br>09:21 |

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| L7  | 254294   | (ion or anion) with exchange                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L8  | 4        | L2 and L3 and L4 and L5 and L6 and L7         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L9  | 10       | L2 and L3 and L4 and L5                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L10 | 682456   | metal with oxide                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L11 | 12361788 | surface or modif\$3 or coat\$3                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L12 | 17       | L2 and L10 and L11 and L5 and L6 and L7       | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | OR | ON | 2009/04/11<br>09:21 |
| L13 | 5409440  | aqueous or water or H2O or "H.<br>sub.2O"     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L14 | 6059576  | mix\$3 or admix\$3 or stir\$3 or<br>combin\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L15 | 1921608  | concentration                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |

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| L16 | 1901243 | heat\$3 with temperature   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/04/11<br>09:21 |
| L17 | 29      | ((L2.ti. or L2.ab.)and (L10.ti. or L10.ab.)) and (L2 with L10) and ((L10 or L5 ) with L11) and L6 and L7 and L13 and L14 and L15 and L16   | US-PGPUB;<br>USPAT  | OR | ON | 2009/04/11<br>09:21 |
| S1  | 1835    | 516/90,77,78,88,91,92.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>08:03 |
| S2  | 6       | ("20040086724"   "5366545"   "5460738"   "6296943"   "6355694"   "6626987").PN.  | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>10:36 |
| S3  | 4       | ("6296943" "6355694" "6626987" "7208229").pn.  | USPAT   | OR | ON | 2008/05/20<br>11:09 |
| S4  | 882272  | sol or dispersion  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>13:10 |
| S5  | 160     | ((stannic adj oxide) with (zirconium adj oxide) or ((ZrO <sub>2</sub> or "ZrO <sub>2</sub> .sub.2") with (SnO <sub>2</sub> or "SnO <sub>2</sub> .sub.2")) with composite with (colloid\$3 or particle or particulate)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:11 |
| S6  | 62      | (alkylamine alkyl\$1amine (alkyl adj amine) isopropylamine isopropyl\$1amine (isopropyl adj amine) diisopropylamine diisopropyl\$1amine (diisopropyl adj amine) propylamine propyl \$1amine (propyl adj amine) npropylamine n\$1propylamine npropyl\$1amine n\$1propyl \$1amine (n adj propylamine) (npropyl adj amine) (n adj propyl \$1amine) (n\$1propyl adj amine) (n adj propyl adj amine) diisobutylamine diisobutyl \$1amine (diisobutyl adj amine) ) with ((antimony adj (oxide or pentoxide)) or Sb <sub>4</sub> O <sub>10</sub> or "Sb. <sub>4</sub> O <sub>10</sub> .sub.10" or Sb <sub>2</sub> O <sub>5</sub> or "Sb. <sub>2</sub> O <sub>5</sub> .sub.20") with (surface or modif\$3 or coat\$3 or colloid\$3 or particle or particulate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:11 |

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| S7  | 798408   | (particle or particulate) with (size or diameter)               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:13 |
| S8  | 995328   | (hydrothermal or heat or temperature) with (treat\$3 or ag \$3) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:15 |
| S9  | 238460   | (ion or anion) with exchange                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:15 |
| S10 | 3        | S4 and S5 and S6 and S7 and S8 and S9                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:16 |
| S11 | 9        | S4 and S5 and S6 and S7   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:18 |
| S12 | 631727   | metal with oxide  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:24 |
| S13 | 11698347 | surface or modif\$3 or coat\$3                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:24 |
| S14 | 17       | S4 and S12 and S13 and S7 and S8 and S9                         | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | OR | ON | 2008/05/20<br>14:27 |
| S15 | 632      | (S4 with S12) and ((S12 or S7 ) with S13) and S8 and S9         | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>14:33 |
| S16 | 5122074  | aqueous or water or H <sub>2</sub> O or "H. <sub>sub.2O</sub> " | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:35 |

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| S17 | 5704940 | mix\$3 or admix\$3 or stir\$3 or combin\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:36 |
| S18 | 625     | (S4 with S12) and ((S12 or S7 ) with S13) and S8 and S9 and S16 and S17  | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>14:37 |
| S19 | 1805605 | concentration  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:38 |
| S20 | 1807153 | heat\$3 with temperature   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>14:39 |
| S21 | 461     | (S4 with S12) and ((S12 or S7 ) with S13) and S8 and S9 and S16 and S17 and S19 and S20  | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>14:39 |
| S22 | 25      | ((S4.ti. or S4.ab.)and (S12.ti. or S12.ab.)) and (S4 with S12) and ((S12 or S7 ) with S13) and S8 and S9 and S16 and S17 and S19 and S20 | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>14:42 |
| S23 | 3       | (US-6626987-\$ or US-7208229-\$ or US-5460738-\$).did.   | USPAT   | OR | ON | 2008/05/20<br>16:26 |
| S24 | 6       | ("20040086724"   "5366545"   "5460738"   "6296943"   "6355694"   "6626987").PN.  | US-PGPUB;<br>USPAT  | OR | ON | 2008/05/20<br>16:26 |
| S25 | 1       | S23 not S24  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/20<br>16:26 |
| S26 | 1849    | 516/90,77,78,88,91,92.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:26 |
| S27 | 906799  | sol or dispersion  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |

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| S28 | 168     | ((stannic adj oxide) with (zirconium adj oxide) or ((ZrO <sub>2</sub> or "ZrO. <sub>sub.</sub> 2") with (SnO <sub>2</sub> or "SnO. <sub>sub.</sub> 2")))) with composite with (colloid\$3 or particle or particulate)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S29 | 64      | (alkylamine alkyl\$1amine (alkyl adj amine) isopropylamine isopropyl\$1amine (isopropyl adj amine) diisopropylamine diisopropyl\$1amine (diisopropyl adj amine) propylamine propyl \$1amine (propyl adj amine) npropylamine n\$1propylamine npropyl\$1amine n\$1propyl \$1amine (n adj propylamine) (npropyl adj amine) (n adj propyl \$1amine) (n\$1propyl adj amine) (n adj propyl adj amine) diisobutylamine diisobutyl \$1amine (diisobutyl adj amine) ) with ((antimony adj (oxide or pentoxide)) or Sb <sub>4</sub> O <sub>10</sub> or "Sb. <sub>sub.</sub> 4O. <sub>sub.</sub> 10" or Sb <sub>2</sub> O <sub>5</sub> or "Sb. <sub>sub.</sub> 2O. <sub>sub.</sub> 5") with (surface or modif\$3 or coat\$3 or colloid\$3 or particle or particulate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S30 | 823387  | (particle or particulate) with (size or diameter)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S31 | 1018645 | (hydrothermal or heat or temperature) with (treat\$3 or ag \$3)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S32 | 246253  | (ion or anion) with exchange   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S33 | 3       | S27 and S28 and S29 and S30 and S31 and S32  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |
| S34 | 9       | S27 and S28 and S29 and S30  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/03 14:27 |

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| S35 | 657239   | metal with oxide  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S36 | 12030828 | surface or modif\$3 or coat\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S37 | 17       | S27 and S35 and S36 and S30<br>and S31 and S32  | FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                               | OR | ON | 2008/11/03<br>14:27 |
| S38 | 5261394  | aqueous or water or H <sub>2</sub> O or "H.<br>sub.2O"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S39 | 5879242  | mix\$3 or admix\$3 or stir\$3 or<br>combin\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S40 | 1862298  | concentration   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S41 | 1853767  | heat\$3 with temperature  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/03<br>14:27 |
| S42 | 28       | ((S27.ti. or S27.ab.) and (S35.ti.<br>or S35.ab.)) and (S27 with S35)<br>and ((S35 or S30 ) with S36) and<br>S31 and S32 and S38 and S39<br>and S40 and S41 | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/03<br>14:27 |

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